

ABSTRACT

The present invention relates to a novel process for the ozone treatment of unground plant materials such as wheat grains. According to the invention, this
5 process consists in allowing the plant material to stand for at least one day after a prehumidification followed by an ozonization involving a complementary humidification that adds from 3 to 10% by weight of water, based on the dry weight of the plant material. This process is applied especially to wheat grains. In
10 this case, a process according to the invention that enables the ozone to reach the core of the grains is carried out in order to manufacture so-called "technological" flours. The physical and chemical properties of such flours, observed as a function of the parameters of the ozonization process, are presented.

Figure 1